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CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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COUNTRY Germany (Soviet Zone)

SUBJECT RFT Röhrenwerk Neuhaus, Production of Radio and Television Tubes

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1. The RFT Röhrenwerk Neuhaus has been manufacturing television transmitter tubes for the past half year, but the production is still very small. Production in November 1953 was 6 tubes, and in December, 8 tubes. Series production prospectively will commence at the beginning of May 1954. Preparations were already being made in October 1953.
2. It is not yet announced, however, how the Neuhaus plant will be assigned by the RFT administrative authority of the VEB (Volkseigener Betrieb). On 15 Dec 53 there still existed questions over the further production plans for ordinary radio tubes between the RFT Erfurt and RFT Neuhaus. Most probably Neuhaus will undertake serial production of television tubes, as glass bulbs already are manufactured on a large scale in the Unterweissbach works.
3. Other production will also be increased considerably in 1954. The manufacture of broadcasting transmission tubes is especially to be pushed. Heretofore, these have been produced mainly in the form of short wave transmitters, but now tubes for other types of transmitters will be manufactured. The Soviet Union recently has been requiring large quantities of high efficiency long wave transmitters. Broadcasting tube production at present is proceeding normally. Production in December 1953 was about 52,000 tubes.
4. Difficulties in the hot wire production have arisen only occasionally in the last two months. Cathode and anode plates are still in tight supply. The difficulty the plant has been having in producing a satisfactory vacuum (the tubes frequently had "gas") have been overcome. A new getter material is being used, which is delivered from Poland. Poland bought it in England. All the RFT works apparently are now supplied with this material. The difficulties in the production of metal tube heads, which go mainly to the Soviet Union, are not entirely overcome. The trouble is with the so-called vibrating pentodes.

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